

Notice of Allowability

Application No.

09/974,679

Examiner

Phuongchau Ba Nguyen

Applicant(s)

TSUBOUCHI ET AL.

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE 1-26-7.
2. ☒ The allowed claim(s) is/are 1,3,12,13,15,16; renumbered as 1-6 respectively.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>2-12-7</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input checked="" type="checkbox"/> Other <u>Examiner's Amendment 10-3-6</u> . |

Drawings

1. The REPLACEMENT SHEETS of drawings were received on 1-26-7. These drawings are acceptable.

2. The RCE filed 1-26-7 after the issue of the Notice of Allowance in 10-3-

6. All claims as amended in the Examiner's Amendment mailed 10-3-6 are allowable. Noted that a complete examiner's amendment authorized by Ms. Onda on 9-27-6 is attached."

REASONS FOR ALLOWANCE

3. The following is an examiner's statement of reasons for allowance:

Regarding claims 1, 3, 12-13, 15-16, the prior art of the record fails to teach a communication method over a cellular wireless communication network system, comprising "a packet of the packet CDMA communication method includes a frame composed of a preamble block having a barker code, an information block having an orthogonal M series codes, and information about a phase, wherein an absolute phase and reverse spreading are determined from

the information about the phase included in the preamble block, and detected absolute phase and reverse spreading are subjected to a phase correction and a frequency offset correction, then resultant data is demodulated by an absolute synchronizing detection," which is considered in combination with other limitations, as specified in the independent claim 1.

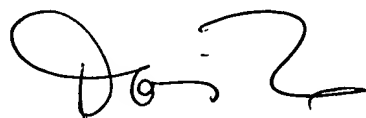
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuongchau Ba Nguyen whose telephone number is 571-272-3148. The examiner can normally be reached on Monday-Friday from 10:00 a.m. to 6:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doris To can be reached on 571-272-7629. The fax

phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



DORIS H. TO
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600



Phuongchau Ba Nguyen
Examiner
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Attachment
EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Ms. Onda on 9-27-6.

3. The application has been amended as follows:

-Claims 2, 6-11 had been canceled.

-Claim 12, line 5,

"flame" had been changed to ---frame---.

-Claim 15, line 5,

"flame" had been changed to ---frame---.

-Claim 16, line 6,

"flame" had been changed to ---frame---.

-SPECIFICATION:

Page 3, line 26; Page 4, line 16; Page 5, line 16; Page 6, line 9; Page 7, lines 15 & 23; Page 8, lines 9, 11 & 25; Page 9, line 27; Page 13, lines 16 & 27; Page 16, line 3; Page 17, lines 21, 23 & 24; Page 19, line 21; Page 21, lines 19 & 20; Page 22, line 15; Page 23, line 15; Page 25, lines 10, 11 & 12; Page 27, line 6; Page 28, lines 2, 4, 7 & 9; Page 29, lines 25, 26 & 27; Page 30, lines 2 & 10; Page 32, lines 5 & 8; Page 33, lines 23 & 25; Page 35, line 11,

“flame” had been changed to ---frame---.

4. The following changes to the drawings have been approved by the examiner and agreed upon by applicant:

-Figures 2-3, 9 & 17(b),

“flame” had been changed to ---frame---.

In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

REASONS FOR ALLOWANCE

5. The following is an examiner's statement of reasons for allowance:

Regarding claims 1, 3, 12-13, 15-16, the prior art of the record fails to teach a communication method over a cellular wireless communication network system, comprising "a packet of the packet CDMA communication method includes a frame composed of a preamble block having a Barker code, an information block having an orthogonal M series codes, and information about a phase, wherein an absolute phase and reverse spreading are determined from the information about the phase included in the preamble block, and detected absolute phase and reverse spreading are subjected to a phase correction and a frequency offset correction, then resultant data is demodulated by an absolute synchronizing detection," which is considered in combination with other limitations, as specified in the independent claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuongchau Ba Nguyen whose telephone number is 571-272-3148. The examiner can normally be reached on Monday-Friday from 10:00 a.m. to 2:00 p.m..

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Representative or access to the automated information system, call 800-786-

9199 (IN USA OR CANADA) or 571-272-1000.

Phuongchau Ba Nguyen

Examiner

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